

# Converting Colors

Hex(83A159)

Have a look what the booklet for  
Hex(83A159) contains.

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# **Color**

**Hex(83A159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83A159
RGB	131, 161, 89
RGB Percent	51%, 63%, 35%
CMY	0.4863, 0.3686, 0.6510
CMYK	0.19, 0.00, 0.45, 0.37
HSL	85°, 29%, 49%
HSV	85°, 45%, 63%
XYZ	23.9081, 31.0363, 14.1817
YIQ	143.8220, 5.2320, -28.7520

# Conversions

## Conversions Part 2

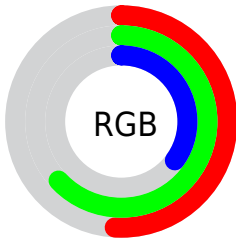
Format	Color
<a href="#">RYB</a>	<a href="#">89, 161, 119</a>
Decimal	<a href="#">8626521</a>
CIELab	<a href="#">62.54, -22.90, 34.03</a>
CIELCh	<a href="#">63, 41.019, 123.939</a>
Yxy	<a href="#">31.0363, 0.3459, 0.4490</a>
Android (android.graphics.Color)	<a href="#">4286816601 (0xFF83A159)</a>
YUV	<a href="#">143.8220, -27.0272, -11.2449</a>
Hunter-Lab	<a href="#">55.7102, -20.8894, 23.9042</a>

# Details

The Hex color **83A159** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **7759A1**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **B9D88C**, and **506D29** is the 20% darker color. If you saturate the color by 10%, you get **7CA149**, and if you desaturate by 10%, it is **8AA169**.

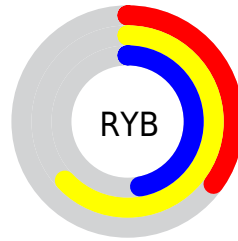
# Distribution



Red (51%)

Green (63%)

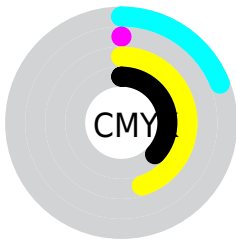
Blue (35%)



Red (35%)

Yellow (63%)

Blue (47%)

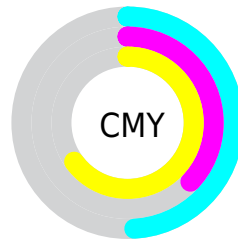


Cyan (19%)

Magenta (0%)

Yellow (45%)

Black (37%)



Cyan (49%)

Magenta (37%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83A159 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 83A159 by changing the saturation by 10% instead.





83A159



83A159

FFFFFF



698741



B9D88C



506D29



D5F4A7



375511



F2FFC3



203D00



FFFFDF



062700



FFFFFB



001000



000000



83A159



83A159



7CA149



8AA169

 76A139

 90A179

 6FA129

 97A189

 68A119

 9EA199

 61A109

 A5A1AA

 5EA100

 ABA1BA

 B2A1CA

 B9A1DA

 BFA1EA

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



A9974D



83A159



54A876

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83A159



00A3D8



DB7994

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



83A159



7759A1

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



C97FB8



83A159



6599E0

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83A159



00A9BF



A18CD4



DA7E70

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83A159



27AA8E



A18CD4



D77AA0



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



83A159



C6D1B6



A17759



626958



E8E8E8



696969



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83A159



A2D160



5FA159



4E5249



559100



0A1200



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



7759A1



8F60D1



9B59A1



4D4952



3D0091



070012



# Previews

## White Background



This preview shows how the Hex color 83A159 looks on a white background.

## Color Contrast Check

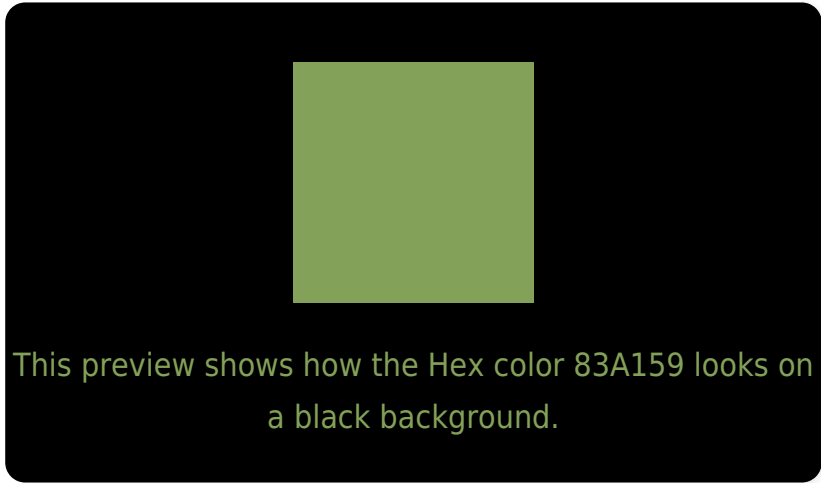
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 83A159 Background



This preview shows how black text looks on a background with the Hex color 83A159.



This preview shows how white text looks on a background with the Hex color 83A159.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
83A159

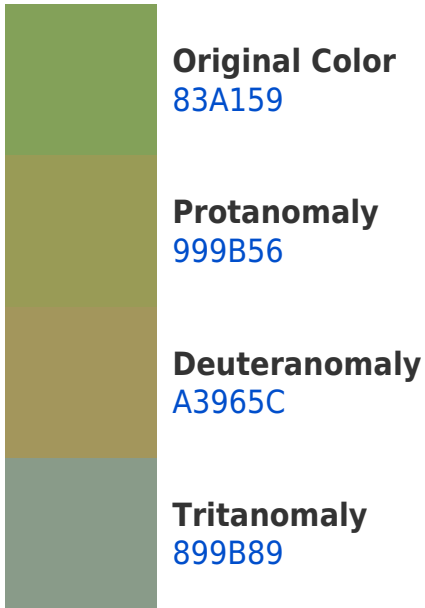
**Protanopia**  
A69755

**Deuteranopia**  
B6905D

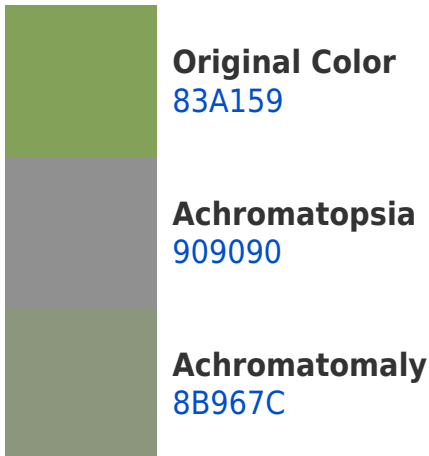


**Tritanopia**  
8D98A4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83A159 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #83A159 looks like.

```
.text, #text, p{  
    color:#83A159  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #83A159 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83A159
}
```

## Border

The CSS property to change the border of an element to Hex 83A159 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#83A159 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#83A159 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #83A159 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83A159; -webkit-box-shadow:4px 4px  
4px 4px #83A159; box-shadow:4px 4px 4px  
4px #83A159 }
```

# Background

The CSS property to change the background color of an element to Hex 83A159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83A159 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#83A159 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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